

Please type a plus sign (+) inside this box →

Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	10/616,698	
			Filing Date	7/9/2003	
			First Named Inventor	Collens	
			Group Art Unit	2136	
			Examiner Name	Baum, R.	
Sheet	1	of	4	Attorney Docket Number	217.1010.01

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	1	4,992,940		Dworkin	02-12-1991	
	2	5,337,357		Chou et al.	08-09-1994	
	3	5,410,415		Parulski et al.	04-25-1995	
	4	5,724,327		Timmermans et al.	03-03-1998	
	5	5,765,176		Bloomberg	06-09-1998	
	6	5,805,799		Fredrickson et al.	09-08-1998	
	7	5,896,454		Cookson et al.	04-20-1999	
	8	5,946,665		Suzuki et al.	08-31-1999	
	9	6,009,525		Horstmann	12-28-1999	
	10	6,182,069		Niblack et al.	01-30-2001	
	11	6,192,139		Tao	02-20-2001	
	12	6,209,092		Linnartz	03-27-2003	
	13	6,260,024		Shkedy	07-10-2001	
	14	6,349,143		Hastings et al.	02-19-2002	
	15	6,366,910		Rajaraman et al.	04-02-2002	
	16	6,463,426		Lipson et al.	10-08-2002	
	17	6,463,431		Schmitt	10-08-2002	
	18	6,625,581		Perkowski	09-23-2003	
	19	6,629,097		Keith	09-30-2003	
	20	6,642,939		Vallone et al.	11-04-2003	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	1	WO	01/37479		Fujitsu Limited	05-25-2001		
	2	WO	02/073378	A2	Bel et al.	09-19-2002		
	3	WO	02/075591	A1	Chevallier et al.	09-26-2002		
	4	WO	2004/006168		Watson et al.	01-15-2004		
	5	WO	2004/006494		Collens et al.	01-15-2004		
	6	WO	2004/006559		Malcolm et al.	01-15-2004		
	7	WO	2004/062945	A2	Neely et al.	07-29-2004		
	8	WO	2004/064293	A2	Rechsteiner et al.	07-29-2004		
	9	WO	2004/070585	A2	Watson	08-19-2004		
	10	WO	2004/070998	A2	Watson	08-19-2004		

Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if

Please type a plus sign (+) inside this box → 田

Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	10/616,698
				Filing Date	7/9/2003
				First Named Inventor	Collens
				Group Art Unit	2136
				Examiner Name	Baum, R.
Sheet	2	of	4	Attorney Docket Number	217.1010.01

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	21	6,701,391		Ayat et al.	03-02-2004	
	22	6,799,224		Dellaconna	09-28-2004	
	23	6,851,082		Corbett	02-01-2005	
	24	6,889,302		Gibble et al.	05-03-2005	
	25	6,889,383		Jarman	05-03-2005	
	26	6,957,232		Hoeye et al.	10-18-2005	
	27	6,971,013		Mihcak et al.	11-29-2005	
	28	7,003,131		Watson et al.	02-21-2006	
	29	7,032,093		Cameron	04-18-2006	
	30	7,032,177		Novak et al.	04-18-2006	
	31	7,036,024		Watson	04-25-2006	
	32	7,099,491		Takaku	07-29-2008	
	33	7,111,171		Collens et al.	09-19-2006	
	34	7,181,044		Watson et al.	02-20-2007	
	35	7,188,248		Watson	03-06-2007	
	36	7,231,607		Neely et al.	06-12-2007	
	37	7,246,322		Neely et al.	07-17-2007	
	38	7,257,732		Zarnke et al.	08-14-2007	
	39	2001/0037465	A1	Hart et al.	11-01-2001	
	40	2001/0051996	A1	Cooper et al.	12-13-2001	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	11	WO	2005/009024		Kesteloot et al.	01-27-2005	
	12	WO	2005/079375		Zarnke et al.	09-01-2005	
	13	WO	2005/086985		Malcolm et al.	09-22-2005	
	14	WO	2006/025833		Kesteloot et al.	03-09-2006	
	15	WO	2006/055938	A2	Watson	05-26-2006	
	16	WO	2007/149405	A2	Kesteloot et al.	12-27-2007	
	17	WO	2008/005174	A2	Rechsteiner et al.	01-10-2008	
	18	EP	1 199 647	A2	Holt et al.	04-24-2002	
	19	FR	2 750 554	A1	Arnaldo et al.	01-02-1998	
	20	FR	2 786 973	A1	Francois et al.	06-09-2000	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if

Please type a plus sign (+) inside this box → ☐Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/616,698
				Filing Date	7/9/2003
				First Named Inventor	Collens
				Group Art Unit	2136
				Examiner Name	Baum, R.
Sheet	3	of	4	Attorney Docket Number	217.1010.01

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	41	2002/0059238	A1	Saito	05-16-2002	
	42	2002/0087876	A1	Larose	07-04-2002	
	43	2002/0095582	A1	Peled	7-18-2002	
	44	2002/0118299	A1	Kahn	08-29-2002	
	45	2002/0150277	A1	Nishimoto et al.	10-17-2002	
	46	2002/0172394	A1	Venkatesan et al.	11-21-2002	
	47	2002/0174021	A1	Chu et al.	11-21-2002	
	48	2002/0178077	A1	Katz et al.	11-28-2002	
	49	2002/0196976	A1	Mihcak et al.	12-26-2002	
	50	2003/0005295	A1	Girard	06-29-2001	
	51	2003/0014751	A1	Paek	01-16-2003	
	52	2003/0030752	A1	Begeja	02-13-2003	
	53	2003/0081857	A1	Tapson	05-01-2003	
	54	2003/0107676	A1	Jang	06-12-2003	
	55	2003/0126599	A1	Novak et al.	07-03-2003	
	56	2003/0139971	A1	Rescigno et al.	07-24-2003	
	57	2003/0163430	A1	Takaku	08-28-2003	
	58	2003/0163466	A1	Rajaraman et al.	08-28-2003	
	59	2003/0182297	A1	Murakami et al.	09-25-2003	
	60	2003/0191738	A1	Hoeye et al.	10-09-2003	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	21	JP	05 137090	A	Sakui	06-01-1993		
	22	JP	2005-533410	A	Watson et al.	11-04-2005		
	23	JP	2005-533416	A	Malcolm et al.	11-04-2005		
	24	JP	2006-518063	A	Rechsteiner et al.	08-03-2006		
	25	JP	2006-520944	A	Neely et al.	09-14-2006		
	26	JP	07 281293		Sasaki	10-27-1995		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if

Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	4	of	4
-------	---	----	---

*Complete if Known*

<b>Application Number</b>	10/616,698
<b>Filing Date</b>	7/9/2003
<b>First Named Inventor</b>	Collens
<b>Group Art Unit</b>	2136
<b>Examiner Name</b>	Baum, R.
<b>Attorney Docket Number</b>	217.1010.0

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	61	2004/0008864	A1	Watson et al.	01-15-2004	
	62	2004/0010694	A1	Collens et al.	01-15-2004	
	63	2004/0114049	A1	Arora	06-17-2004	
	64	2004/0136698	A1	Mock	07-15-2004	
	65	2004/0139064	A1	Chevallier et al.	07-15-2004	
	66	2004/0166484	A1	Budke	08-26-2004	
	67	2004/0166915	A1	Robarge	08-26-2004	
	68	2004/0169683	A1	Chiu et al.	09-02-2004	
	69	2005/0004873	A1	Pou et al.	01-06-2005	
	70	2005/0050103	A1	Kesteloot et al.	03-03-2005	
	71	2005/0086069	A1	Watson et al.	04-21-2005	
	72	2005/0125405	A1	Watson	06-09-2005	
	73	2005/0120053	A1	Watson	06-02-2005	
	74	2005/0201726	A1	Malcolm et al.	09-15-2005	
	75	2007/0106901	A1	Collens et al.	05-10-2007	
	76	2007/0118812	A1	Kesteloot et al.	05-24-2007	
	77	2007/0240234	A1	Watson	10-11-2007	
	78	2007/0283276	A1	Neely et al.	12-06-2007	
	79	2007/0294297	A1	Kesteloot et al.	12-20-2007	

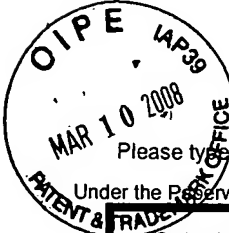
## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

Date  
Considered

1. <sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if



22883

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Please type a plus sign (+) inside this box → ☐

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<i>Complete if Known</i>	
		Application Number	10/616,698
		Filing Date	7/9/2003
		First Named Inventor	Collens
		Group Art Unit	2136
		Examiner Name	Baum, R.
		Attorney Docket Number	217.1010.01
Sheet	1	of	1

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	DITTMAN. "Combining Digital Watermarks and Collusion Secure Fingerprints for Customer Copy Monitoring." Secure Images and Image Authentication, The Institution of Electrical Engineers, 2000, IEE London.	
	2	FRIDRICH. "Copyright Protection of Digital Images (Authentication)." 2/18/2003, <a href="http://www.ws.binghamton.edu/fridrich/Research'tutor2.ppt">http://www.ws.binghamton.edu/fridrich/Research'tutor2.ppt</a> .	
	3	REY ET AL. "A Survey of Watermarking Algorithms for Image Authentication." EURASIP Journal on Applied Processing, 2002, Hindawi Publishing Corporation.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
<sup>1</sup>Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.